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Dec 6, 2001

DERWENT-ACC-NO: 1996-162044
DERWENT-WEEK: 200206
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TITLE: Artificial respirator - uses measured inhalation to set inhalation pressure of
respirator on next breathing cycle

INVENTOR: BOURDON, G

PATENT-ASSIGNEE:

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PRIORITY-DATA: 1994FR-0010839 (September 12, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 741538 B	December 6, 2001		000	A61M016/00
FR 2724322 A1	March 15, 1996		017	A61M016/00
WO 9608285 A1	March 21, 1996	E	021	A61M016/00
AU 9533904 A	March 29, 1996		000	A61M016/00
<u>EP 782462 A1</u>	July 9, 1997	F	017	A61M016/00
JP 10505765 W	June 9, 1998		019	A61M016/00
AU 704202 B	April 15, 1999		000	A61M016/00
<u>EP 782462 B1</u>	June 9, 1999	F	000	A61M016/00
DE 69510208 E	July 15, 1999		000	A61M016/00
US 5921238 A	July 13, 1999		000	A61M016/00
AU 9940128 A	October 28, 1999		000	A61M016/00

DESIGNATED-STATES: AU CA JP US AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BE DE DK
ES FR GB IT SE BE DE DK ES FR GB IT SE

CITED-DOCUMENTS:DE 3732475; US 3741208 ; WO 8910768 ; WO 9211054 ; WO 9321982 ; WO
9325260

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
AU 741538B	September 11, 1995	1995AU-0033904	Div ex
AU 741538B	July 15, 1999	1999AU-0040128	
AU 741538B		AU 704202	Div ex
AU 741538B		AU 9940128	Previous Publ.
FR 2724322A1	September 12, 1994	1994FR-0010839	
WO 9608285A1	September 11, 1995	1995WO-FR01158	
AU 9533904A	September 11, 1995	1995AU-0033904	
AU 9533904A		WO 9608285	Based on
EP 782462A1	September 11, 1995	1995EP-0930565	
EP 782462A1	September 11, 1995	1995WO-FR01158	
EP 782462A1		WO 9608285	Based on
JP 10505765W	September 11, 1995	1995WO-FR01158	
JP 10505765W	September 11, 1995	1996JP-0509944	
JP 10505765W		WO 9608285	Based on
AU 704202B	September 11, 1995	1995AU-0033904	
AU 704202B		AU 9533904	Previous Publ.
AU 704202B		WO 9608285	Based on
EP 782462B1	September 11, 1995	1995EP-0930565	
EP 782462B1	September 11, 1995	1995WO-FR01158	
EP 782462B1		WO 9608285	Based on
DE 69510208E	September 11, 1995	1995DE-0610208	
DE 69510208E	September 11, 1995	1995EP-0930565	
DE 69510208E	September 11, 1995	1995WO-FR01158	
DE 69510208E		EP 782462	Based on
DE 69510208E		WO 9608285	Based on
US 5921238A	September 11, 1995	1995WO-FR01158	
US 5921238A	March 12, 1997	1997US-0793956	
US 5921238A		WO 9608285	Based on
AU 9940128A	September 11, 1995	1995AU-0033904	Div ex
AU 9940128A	July 15, 1999	1999AU-0040128	
AU 9940128A		AU 704202	Div ex

INT-CL (IPC): A61 M 16/00

ABSTRACTED-PUB-NO: FR 2724322A

EQUIVALENT-ABSTRACTS: The artificial respirator, working on a pressure action, includes a feed (8) for a respiratory gas, an inhalation line (3) in the circuit (1) for the patient, and an inhalation pressure (AI). The inhalation vol. (VTI) is measured (12) for comparison with a nominal value (VTImini). A control (11) increases or decreases the inhalation pressure (AI) if the measured value is below or above the nominal level. The control unit (11) sets the inhalation pressure through a controlled pressure feed (8). The inhalation vol. (VTI) is measured (12) during a respiratory cycle of the patient. The control (11) compares it with a nominal value, for the inhalation pressure for the next inhalation cycle. The patient's inhalation vol. (VTI) is measured (12), or the exhalation vol. is monitored, or either are measured selectively. The respiratory gas feed (8) is connected to the patient link (3) so that gas is fed on inhalation, and blocked on exhalation in a cycle. The meter (12) is at the inhalation channel (3).

ADVANTAGE - Combines advantage of artificial respiration controlled by vol. and pressure, for each respiratory cycle. US 5921238A The artificial respirator, working on a pressure action, includes a feed (8) for a respiratory gas, an inhalation line (3) in the circuit (1) for the patient, and an inhalation pressure (AI). The inhalation vol. (VTI) is measured (12) for comparison with a nominal value (VTImini). A control (11) increases or decreases the inhalation pressure (AI) if the measured value is below or above the nominal level. The control unit (11) sets the inhalation pressure through a controlled pressure feed (8). The inhalation vol. (VTI) is measured (12) during a respiratory cycle of the patient. The control (11) compares it with a nominal value, for the inhalation pressure for the next inhalation cycle. The patient's inhalation vol. (VTI) is measured (12), or the exhalation vol. is monitored, or either are measured selectively. The respiratory gas feed (8) is connected to the patient link (3)

so that gas is fed on inhalation, and blocked on exhalation in a cycle. The meter (12) is at the inhalation channel (3). ADVANTAGE - Combines advantage of artificial respiration controlled by vol. and pressure, for each respiratory cycle.

CHOSEN-DRAWING: Dwg.1/4

TITLE-TERMS: ARTIFICIAL RESPIRATION MEASURE INHALE SET INHALE PRESSURE RESPIRATION BREATH CYCLE

DERWENT-CLASS: P34 S05

EPI-CODES: S05-X;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1996-135729